

09/680, 271

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NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL  
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation  
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR  
NEWS 10 SEP 22 DIPPR file reloaded  
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded  
NEWS 12 SEP 29 DISSABS now available on STN  
NEWS 13 OCT 10 PCTFULL: Two new display fields added  
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced

NEWS EXPRESS OCTOBER 01 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003

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STRUCTURE FILE UPDATES: 3 NOV 2003 HIGHEST RN 612478-18-9  
DICTIONARY FILE UPDATES: 3 NOV 2003 HIGHEST RN 612478-18-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

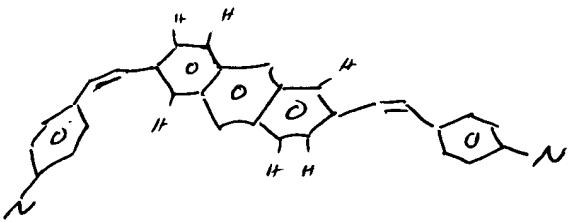
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>  
Uploading 09680371.str

L1 STRUCTURE UPLOADED

=> d query  
L1 STR  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*



Structure attributes must be viewed using STN Express query preparation.

=> s 11  
SAMPLE SEARCH INITIATED 16:39:54 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 132 TO ITERATE

100.0% PROCESSED 132 ITERATIONS 5 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1951 TO 3329  
PROJECTED ANSWERS: 5 TO 234

L2 5 SEA SSS SAM L1

=> s 11 full  
FULL SEARCH INITIATED 16:39:59 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 2730 TO ITERATE

100.0% PROCESSED 2730 ITERATIONS 52 ANSWERS  
SEARCH TIME: 00.00.01

L3 52 SEA SSS FUL L1

=> fil caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 148.15 148.36

FILE 'CAPLUS' ENTERED AT 16:40:02 ON 04 NOV 2003  
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FILE COVERS 1907 - 4 Nov 2003 VOL 139 ISS 19  
FILE LAST UPDATED: 3 Nov 2003 (20031103/ED)

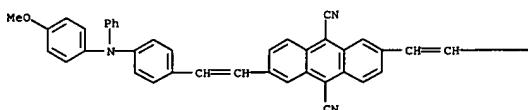
This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4 7 L3

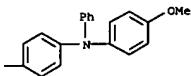
=> d 14 1-7 abs ibib hitstr

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
 AB We developed novel distyryl compds. aiming red light-emitting materials for org. EL active panels. Both photoluminescence and electroluminescence spectra have the peaks in the region of 630-650 nm. They have good fluorescence quantum yield(0.8-0.97, in soln.), and high glass transition temp.(103-120.degree.C.). Use of BSN as an emitting material enables fabrication of fine red EL device that exhibits high luminance efficiency.  
 ACCESSION NUMBER: 2003:426713 CAPLUS  
 DOCUMENT NUMBER: 139:252434  
 TITLE: Red emitting materials for organic EL display  
 AUTHOR(S): Ichimura, Mari; Ishibashi, Tadashi; Ueda, Naoyuki; Tamura, Shin-ichiro  
 CORPORATE SOURCE: Organic EL Development, Core Technology & Network Company, Japan  
 SOURCE: Proceedings of the Sony Research Forum (2002), Volume Date 2001, 11th, 329-334  
 CODEN: PSRFO; ISSN: 1340-3508  
 PUBLISHER: Soni K.K., R & D Senryakubu  
 DOCUMENT TYPE: Journal (computer optical disk)  
 LANGUAGE: English  
 IT 253869-96-1P  
 RL: DEV (Device component use); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); USES (Uses) (red emitting materials for org. EL display)  
 RN 253869-96-1 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-((4-methoxyphenyl)phenylamino)phenylethethyl]- (9CI) (CA INDEX NAME)

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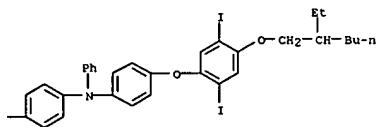


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

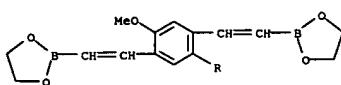
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PAGE 1-B



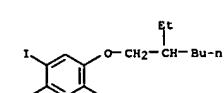
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CRN 443971-32-2  
 CMF C23 H34 B2 O6



CM 3

CRN 262355-67-9  
 CMF C15 H22 I2 O2



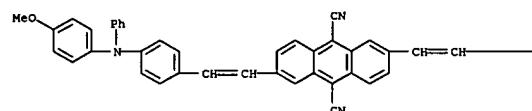
RN 443971-41-3 CAPLUS  
 CN Benzenamine,  
 N-[4-[(2-ethylhexyl)oxy]-2,5-diiodophenoxy]phenyl]-4-[2-[6-[2-[(4-methoxyphenyl)phenylamino]phenyl]ethenyl]-2-anthracenyl]ethenyl]-N-phenyl-, polymer with 1-((2-ethylhexyl)oxy)-2,5-diiodophenoxybenzene and 2,2'-[2-((2-ethylhexyl)oxy)-5-methoxy-1,4-phenylene]di-2,1-ethenediyl)bis[1,3,2-dioxaborolane] (9CI) (CA INDEX NAME)

CM 1

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
 AB The element has an org. layer (including a light-emitting region) between an anode and a cathode, wherein the org. layer contains an elec. conductive polymer including a styryl compd. (a distyryl compd., preferably) chem. bonded to the main or side chain of the polymer.  
 ACCESSION NUMBER: 2002:553526 CAPLUS  
 DOCUMENT NUMBER: 137:132204  
 TITLE: Organic electroluminescent (EL) elements for full-color flat displays with high brightness and durability  
 INVENTOR(S): Tamura, Shinichiro; Ishibashi, Tadashi; Ichimura, Mari  
 PATENT ASSIGNEE(S): Sony Corp., Japan  
 SOURCE: Jpn. Kokai Tokyo Koho, 32 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

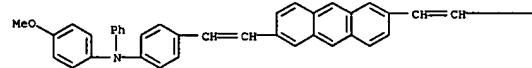
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002206488	A2	20020726	JP 2001-4859	20010112
PRIORITY APPLN. INFO.: JP 2001-4859 20010112				
IT 443971-39-9	443971-41-3		JP 2001-4859	20010112
RL: TEM (Technical or engineered material use); USES (Uses) (light emitter; org. EL elements contg. elec. conductive polymers having distyryl structures with high brightness and durability)				
RN 443971-39-9	CAPLUS			
CN 9,10-Anthracenedicarbonitrile, 2-[2-[4-[(4-[(2-ethylhexyl)oxy]-2,5-diiodophenoxy)phenyl]phenylamino]phenylethethyl]-6-[2-[4-[(4-methoxyphenyl)phenylamino]phenylethethyl]-2,5-diido-4-methoxybenzene and 2,2'-[2-[(2-ethylhexyl)oxy]-5-methoxy-1,4-phenylene]di-2,1-ethenediyl]bis[1,3,2-dioxaborolane] (9CI) (CA INDEX NAME)				
CM 1				
CRN 443971-38-8				
CMF C71 H58 I2 N4 O3				

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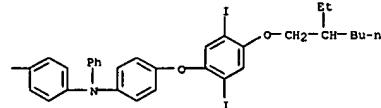


L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 CRN 443971-40-2  
 CMF C69 H60 I2 N2 O3

PAGE 1-A

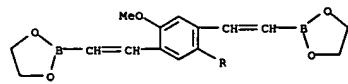


PAGE 1-B



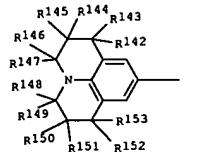
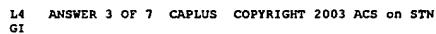
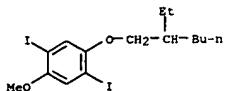
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CM 3

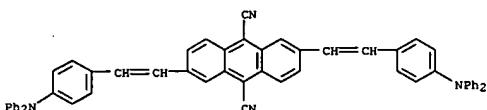
CRN 262355-67-9  
 CMF C15 H22 I2 O2



AB The electroluminescence (EL) elements contain aminostyryl compds. Y1CH:CHX1CH:CHY2 and/or Y3CH:CHX2 [X1 = substituted anthraceneylene (substituent = halo, nitro, cyano, CF<sub>3</sub>, etc.); X2 = (un)substituted Ph, naphthalenyl, anthracenyl, phenanthrenyl, pyrenyl (substituent = H, halo, nitro, cyano, CF<sub>3</sub>); Y1-3 = H, alkyl, aryl that may contain C6H4N1Z2, I, or (un)substituted Ph; Z1, Z2 = H, alkyl, aryl; R142-153 = H, alkyl, aryl,

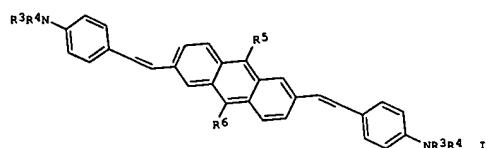
alkoxy, halo, etc.).  
ACCESSION NUMBER: 2002:349431 CAPLUS  
DOCUMENT NUMBER: 136:377566  
TITLE: Red organic electroluminescence elements with good  
color stability and high brightness for displays  
INVENTOR(S): Ishibashi, Tadashi; Ichimura, Mari; Tamura,  
Shinichiro; Ueda, Naoyuki  
PATENT ASSIGNEE(S): Sony Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE  
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 JP 2002134276 A2 20020510 JP 2000-329902 200001030  
 PRIORITY APPLN. INFO.: JP 2000-329902 200001030  
 OTHER SOURCE(S): MARPAT 136:377566  
 IT 253869-0-0 321709-39-1  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (red org. EL elements With good color stability and high brightness  
 for  
 displays)  
 RN 253869-0-0 CAPLUS  
 CN 9,10-Anthracenediimidicarbonitrile,  
 2,6-bis[2-(4-(diphenylamino)phenyl)ethenyl]-  
 (9CI) (CA INDEX NAME)



RN 321709-39-1 CAPLUS  
CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(1-naphthyl)phenylamino]phenyl]ethenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 7 CAPIUS COPYRIGHT 2003 ACS on STN

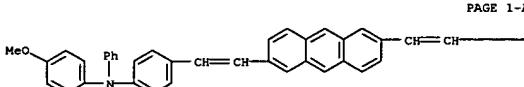


AB Title compds. e.g., (I; R<sub>2</sub>, R<sub>3</sub> = unsubstituted aryl; R<sub>1</sub>, R<sub>4</sub> = substituted aryl; R<sub>5</sub>, R<sub>6</sub> = H, cyano, NO<sub>2</sub>, CF<sub>3</sub>, halo), were prep'd. Thus, 9,10-dicyano-2,6-bis(diethylphosphonomethyl)anthracene (prepn. given) was stirred with NaH in THF/DMF: 4-[1-phenyl-N-(4-methoxyphenyl)amino]benzaldehyde in THF was added followed by 7 h stirring to give 14% I (R<sub>2</sub>, R<sub>3</sub> = Ph; R<sub>1</sub>, R<sub>4</sub> = 4-MeOC<sub>6</sub>H<sub>4</sub>; R<sub>5</sub>, R<sub>6</sub> = cyano). This showed a fluorescence max. at 645 nm. Schematics of org. acentrula-riceast elements and a flat display can be given.

electroluminescent elements and a flat display are given.  
ACCESSION NUMBER: 2001:261095 CAPLUS  
DOCUMENT NUMBER: 134:280615  
TITLE: Preparation of bis(aminostyryl)anthracenes as organic  
luminescent materials.  
INVENTOR(S): Ichimura, Mari; Ishibashi, Tadashi; Tamura,  
Shinichiro  
PATENT ASSIGNEE(S): Sony Corporation, Japan  
SOURCE: Eur. Pat. Appl., 145 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1090911	A2	20010411	EP 2000-121754	20001005
EP 1090911	A3	20010808		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, RO				
JP 2001106657	A2	20010417	JP 1999-285254	19991006
PRIORITY APPLN. INFO.: 1			JP 1999-285254	A 19991006
OTHER SOURCE(S): MARPAT 134:280615				
IT 253868-51-0P 253868-96-1P 253869-00-0P				
321709-36-SP 321709-39-SP 333426-57-SP				
333426-58-7P 333426-59-8P 333426-72-5P				
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L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
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 333426-99-6P 333427-01-3P 333427-03-5P  
 333427-05-7P 333427-08-0P 333427-10-4P  
 333427-12-6P 333427-16-0P 333427-18-2P  
 333427-20-6P 333427-22-8P  
 RL: DEV (Device component use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)  
 (Preprn. of bis(aminostyryl)anthracenes as org. luminescent materials)  
 RN 253869-51-8 CAPLUS  
 CN Benzenamine, 4,4'-(2,6-anthracenediylid-2,1-ethenediyl)bis[N-(4-methoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)



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RN 253869-96-1 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-[(4-methoxyphenyl)phenylamino]phenyl]ethenyl]- (9CI) (CA INDEX NAME)

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RN 253869-00-0 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-(4-(diphenylamino)phenyl)ethenyl]-

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

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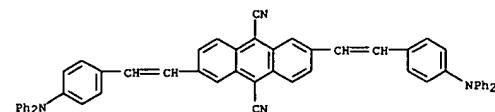
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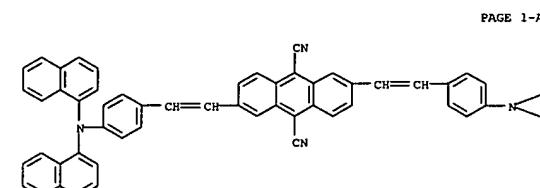
PAGE 1-B

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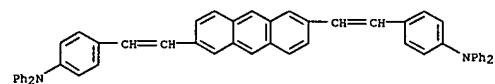
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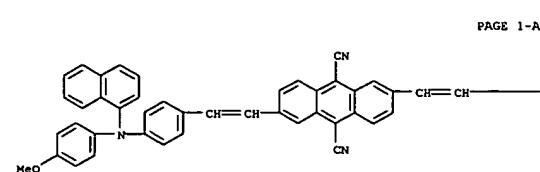
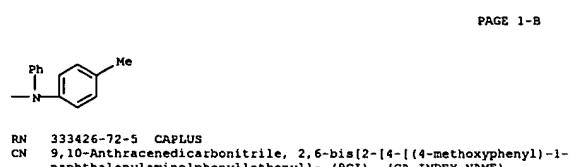
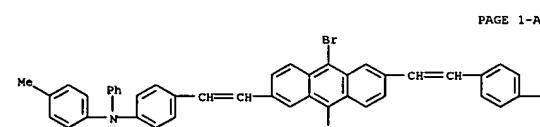
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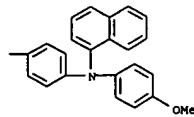


L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

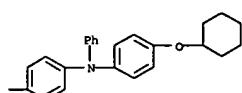
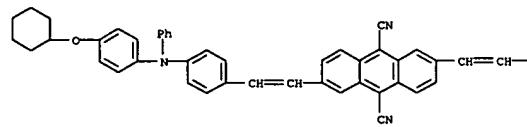
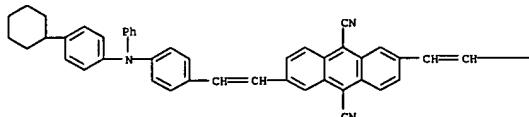


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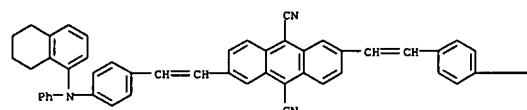




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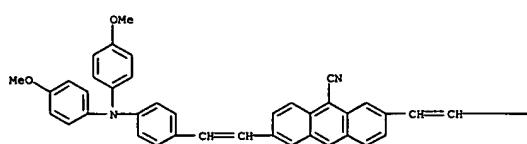
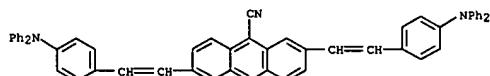
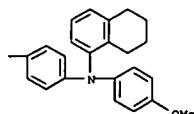
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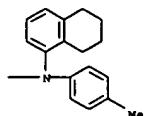
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 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-(4-[(4-cyclohexyl)oxy]phenyl)phenylamino]phenyl]ethenyl- (9CI) (CA INDEX NAME)

RN 333426-77-0 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-(4-[(4-methylphenyl)(5,6,7,8-tetrahydro-1-naphthalenyl)amino]phenyl]ethenyl- (9CI) (CA INDEX NAME)

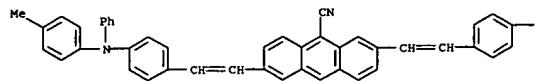


RN 333426-80-5 CAPLUS  
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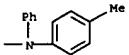


RN 333426-78-1 CAPLUS  
 CN 9-Anthracenecarbonitrile, 2,6-bis[2-(4-(diphenylamino)phenyl)phenyl]ethenyl-

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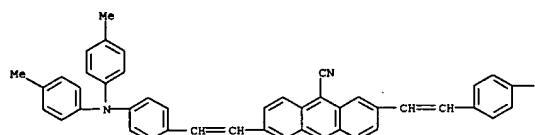


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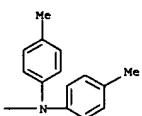


RN 333426-81-6 CAPLUS  
 CN 9-Anthracenecarbonitrile, 2,6-bis[2-(4-(bis(4-methylphenyl)amino)phenyl)ethenyl]- (9CI) (CA INDEX NAME)

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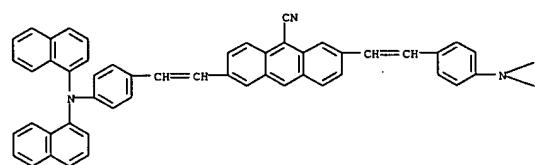


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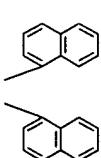


RN 333426-82-7 CAPLUS  
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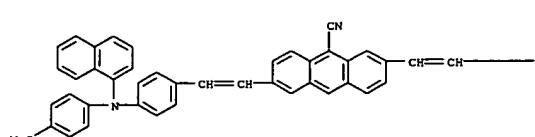


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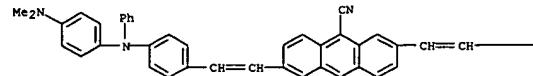


RN 333426-85-0 CAPLUS  
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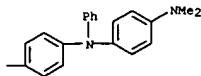
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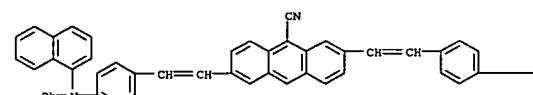


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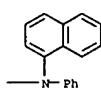


RN 333426-83-8 CAPLUS  
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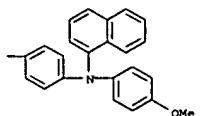


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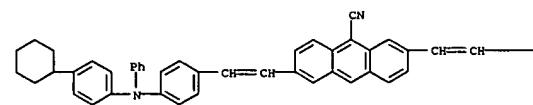
RN 333426-84-9 CAPLUS  
 CN 9-Anthracenecarbonitrile, 2,6-bis[2-(4-(1-naphthalenylamino)phenyl)ethenyl]- (9CI) (CA INDEX NAME)

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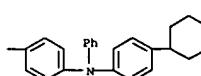


RN 333426-86-1 CAPLUS  
 CN 9-Anthracenecarbonitrile, 2,6-bis[2-(4-(4-cyclohexylphenyl)phenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

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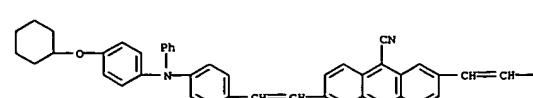


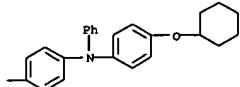
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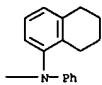
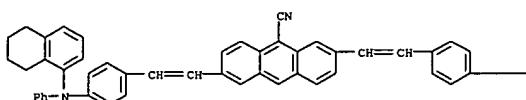
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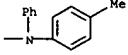
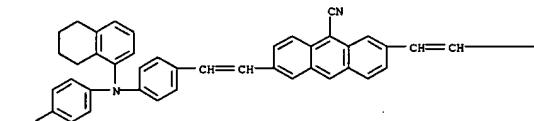




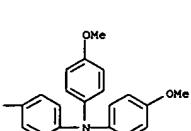
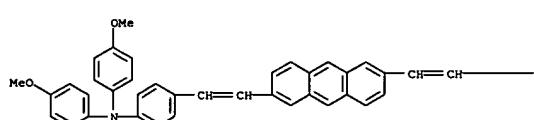
RN 333426-88-3 CAPLUS  
 CN 9-Anthracene-2,6-bis[2-(4-(phenyl(5,6,7,8-tetrahydro-1-naphthalenyl)amino)phenyl)ethenyl]- (9CI) (CA INDEX NAME)



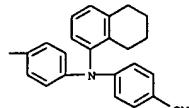
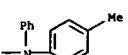
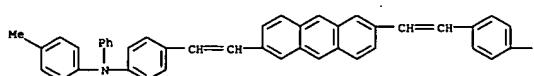
RN 333426-89-4 CAPLUS  
 CN 9-Anthracene-2,6-bis[2-(4-(4-methoxyphenyl)(5,6,7,8-tetrahydro-1-naphthalenyl)amino)phenyl]- (9CI) (CA INDEX NAME)



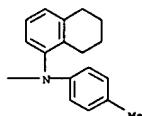
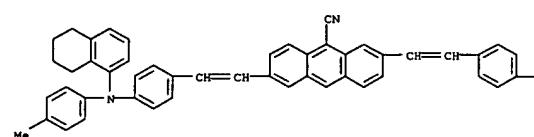
RN 333426-92-9 CAPLUS  
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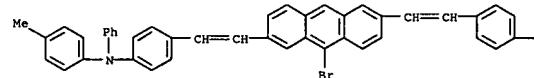
RN 333426-93-0 CAPLUS  
 CN Benzenamine, 4,4'-(2,6-anthracenediyldi-2,1-ethenediyil)bis[N-(4-methylphenyl)-N-phenyl-] (9CI) (CA INDEX NAME)



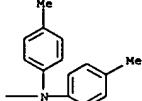
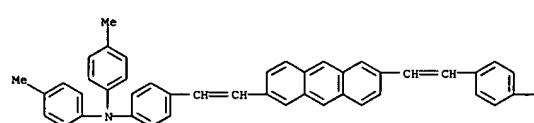
RN 333426-90-7 CAPLUS  
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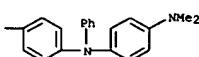
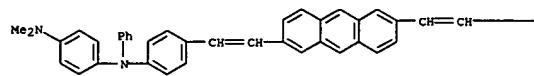
RN 333426-91-8 CAPLUS  
 CN Benzenamine,  
 4,4'-([(9-bromo-2,6-anthracenediyil)di-2,1-ethenediyil]bis[N-(4-methylphenyl)-N-phenyl-] (9CI) (CA INDEX NAME)



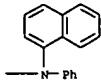
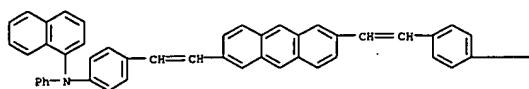
RN 333426-94-1 CAPLUS  
 CN Benzenamine, 4,4'-(2,6-anthracenediyldi-2,1-ethenediyil)bis[N,N-bis(4-methylphenyl)-] (9CI) (CA INDEX NAME)



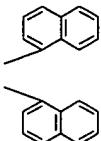
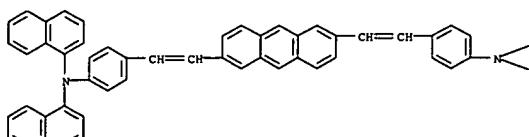
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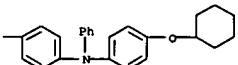
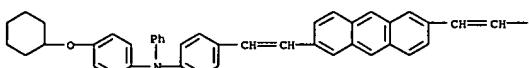
RN 333426-97-4 CAPLUS  
 CN 1-Naphthalenamine, N,N'-(2,6-anthracenediyldi-2,1-ethenediyil-4,1-phenylene)bis[N-phenyl-] (9CI) (CA INDEX NAME)



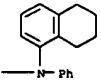
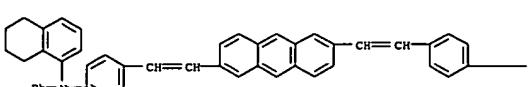
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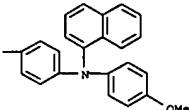
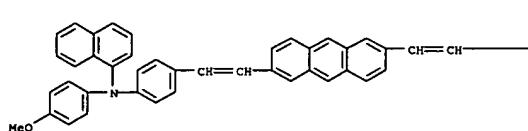
RN 333427-01-3 CAPLUS  
 CN 1-Naphthalenamine, N,N'-(2,6-anthracenediylbis(2,1-ethenediyl-4,1-phenylene))bis[N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)]



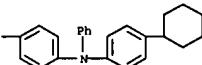
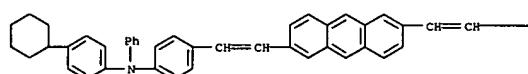
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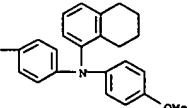
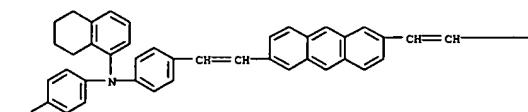
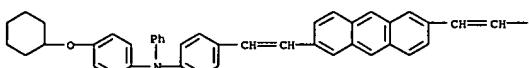
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 CN 1-Naphthalenamine, N,N'-(2,6-anthracenediylbis(2,1-ethenediyl-4,1-phenylene))bis[5,6,7,9-tetrahydro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)]



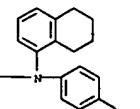
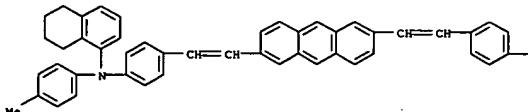
RN 333427-03-5 CAPLUS  
 CN Benzenamine, 4,4'-(2,6-anthracenediyl-2,1-ethenediyl)bis[N-(4-cyclohexyloxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)]



RN 333427-05-7 CAPLUS  
 CN Benzenamine, 4,4'-(2,6-anthracenediyl-2,1-ethenediyl)bis[N-(4-cyclohexyloxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)]

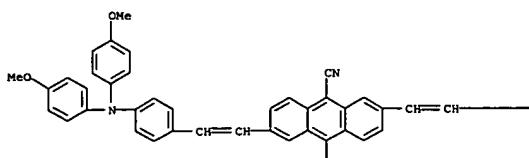


RN 333427-12-6 CAPLUS  
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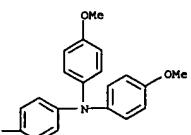


RN 333427-16-0 CAPLUS

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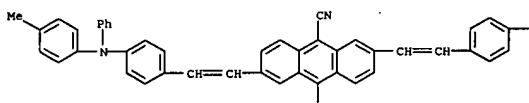


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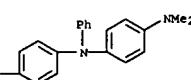


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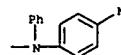
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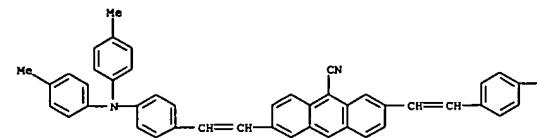


L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

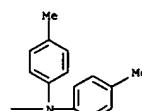


RN 333427-20-6 CAPLUS  
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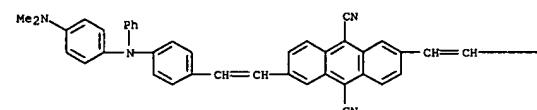


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RN 333427-22-8 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(4-dimethylamino)phenyl]phenylamino]ethenyl- (9CI) (CA INDEX NAME)

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L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
 AB Org. electroluminescent devices comprising an org. layer, which contains at least one distyryl compd. R1R2N-p-C6H4-CH:CHXCH:CH-p-C6H4-NR3R4 [R1,4

= H, or (un)substituted aryl or naphthyl; X = cyano, nitro or halo substituted anthracene].

ACCESSION NUMBER: 2001:78059 CAPLUS

DOCUMENT NUMBER: 134:139023

TITLE: Organic electroluminescent device

INVENTOR(S): Ishibashi, Tadashi; Ichimura, Mari; Tamura, Shinichiro

PATENT ASSIGNEE(S): Sony Corp., Japan

SOURCE: Eur. Pat. Appl., 31 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

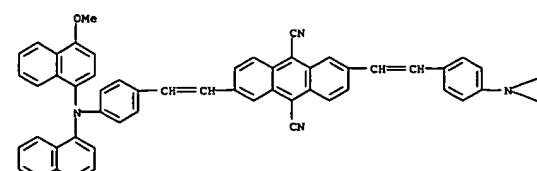
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

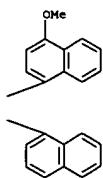
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1072668	A2	20010131	EP 2000-402171	20000728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TW 463520	B	20011111	TW 2000-89113986	20000713
US 6495274	B1	20021217	US 2000-624146	20000721
JP 2001110571	A2	20010420	JP 2000-229659	20000728
CN 1283072	A	20010207	CN 2000-121795	20000731
PRIORITY APPLN. INFO.:			JP 1999-216308	A 19990730
OTHER SOURCE(S): MARPAT 134:139023				
IT 321709-38-0 321709-39-1 321709-41-5				
321709-42-6 321709-44-8				
RL: DE1 (Device component use); USES (Uses)				
(org. electroluminescent device)				
RN 321709-38-0 CAPLUS				
CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(4-methoxy-1-naphthalenyl)phenyl]ethenyl- (9CI) (CA INDEX NAME)				

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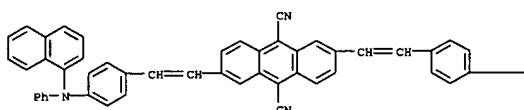


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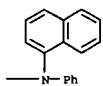
RN 321709-39-1 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(1-naphthalenylphenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

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RN 321709-41-5 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(4-methoxy-1-naphthalenylphenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

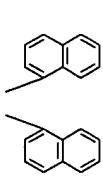
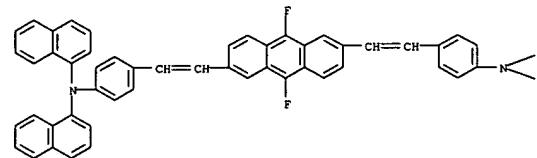
PAGE 1-B



RN 321709-42-6 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(2-naphthalenylphenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

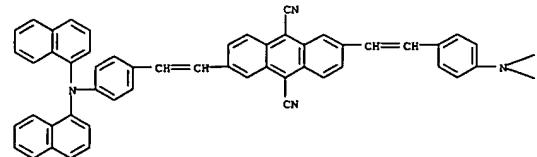


L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 PAGE 1-A

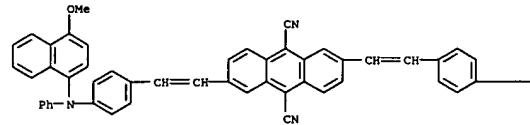


IT 321709-36-8  
 RL: DBV (Device component use); USES (Uses)  
 (org. electroluminescent devices employing distyryl compds.)  
 RN 321709-36-8 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(di-1-naphthalenylphenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

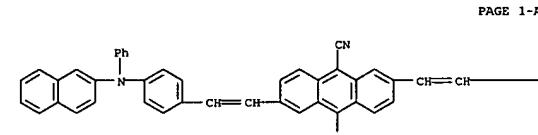
PAGE 1-A



PAGE 1-A

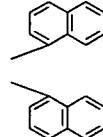


RN 321709-44-8 CAPLUS  
 CN 1-Naphthalenamine, N,N'-(9,10-difluoro-2,6-anthracenediyl)bis(2,1-ethenediyl-4,1-phenylene) (CA INDEX NAME)



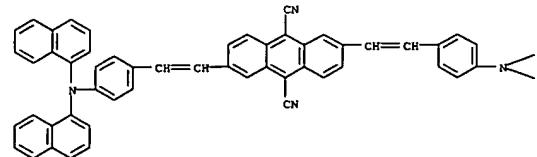
RN 321709-44-8 CAPLUS  
 CN 1-Naphthalenamine, N,N'-(9,10-difluoro-2,6-anthracenediyl)bis(2,1-ethenediyl-4,1-phenylene) (CA INDEX NAME)

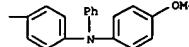
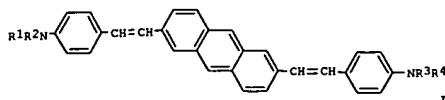
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 PAGE 1-B



IT 321709-36-8  
 RL: DBV (Device component use); USES (Uses)  
 (org. electroluminescent devices employing distyryl compds.)  
 RN 321709-36-8 CAPLUS  
 CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-(di-1-naphthalenylphenylamino)phenyl]ethenyl]- (9CI) (CA INDEX NAME)

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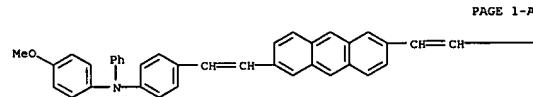
AB The invention refers to an org. electroluminescent device, suitable for use in flat panel displays such as computer monitors and TV screens, which contain the di-styryl compd. I [R1-4 = benzene substituted with at least one (un)satd. alkoxy, or alkyl] as an electroluminescent material for red luminescence.

ACCESSION NUMBER: 2000:34394 CAPLUS  
DOCUMENT NUMBER: 132:85755  
TITLE: Organic electroluminescent component  
INVENTOR(S): Ishibashi, Yoshi; Ichimura, Mari; Tamura, Shinichiro  
PATENT ASSIGNEE(S): Sony Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000012228	A2	20000114	JP 1998-180583	19980626
US 2001038924	A1	20011109	US 1999-344211	19990624
US 6440585	B2	20020827		
CN 1242682	A	20000126	CN 1999-110983	19990625
KR 2000006491	A	20000125	KR 1999-24405	19990626

PRIORITY APPLN. INFO.: JP 1998-180583 A 19980626  
OTHER SOURCE(S): MARPAT 132:85755  
IT 253869-51-8  
RL: DEV (Device component use); USES (Uses)  
(org. electroluminescent component)  
RN 253869-51-8 CAPLUS  
CN Benzenamine, 4,4'-(2,6-anthracenediylidene-2,1-ethenediyl)bis[N-(4-methoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)



\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

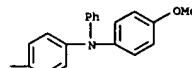
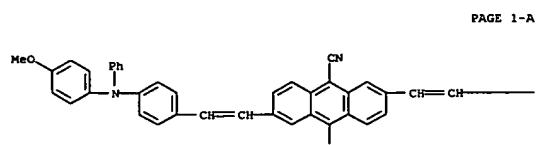
AB The invention refers to an org. electroluminescent device, suitable for use in flat panel displays such as computer monitors and TV screens, which contains the di-styryl compd. I [R1-4 = unidentical Ph substituted with at least one (un)satd. alkoxy, or alkyl; and R5-12 contain at least one cyano, nitro or halo], and/or II [R18-25 contain at least one cyano, nitro, or halo] as an electroluminescent material for red luminescence.

ACCESSION NUMBER: 2000:32675 CAPLUS  
DOCUMENT NUMBER: 132:85740  
TITLE: Organic electroluminescent component  
INVENTOR(S): Ishibashi, Yoshi; Ichimura, Mari; Tamura, Shinichiro  
PATENT ASSIGNEE(S): Sony Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
CODEN: JKXXAF

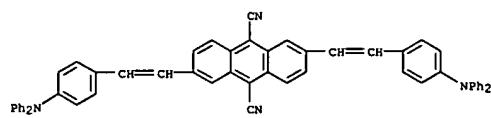
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000012227	A2	20000114	JP 1998-180582	19980626
US 6242116	B1	20010605	US 1999-339368	19990624
CN 1241893	A	20000119	CN 1999-111215	19990625

PRIORITY APPLN. INFO.: JP 1998-180582 A 19980626  
OTHER SOURCE(S): MARPAT 132:85740  
IT 253869-96-1 253869-00-0  
RL: DEV (Device component use); USES (Uses)  
(org. electroluminescent component)  
RN 253869-96-1 CAPLUS  
CN 9,10-Anthracenedicarbonitrile, 2,6-bis[2-[4-[(4-methoxyphenyl)phenylamino]phenyl]ethenyl]- (9CI) (CA INDEX NAME)



RN 253869-00-0 CAPLUS  
CN 9,10-Anthracenedicarbonitrile,  
2,6-bis[2-[4-[(4-methoxyphenyl)phenyl]ethenyl]-  
(9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.76	185.12
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.56	-4.56

STN INTERNATIONAL LOGOFF AT 16:47:25 ON 04 NOV 2003